

**Abstract**

A method for providing parking aid for a vehicle, comprises the steps recording ambient data in the external area of a vehicle, calculation of the dimensions of a specific area using the recorded ambient data, and evaluation of the suitability of the specific area as a parking space taking into account the calculated dimensions and known, vehicle-specific reference values. According to the invention, the recording of ambient data comprises recording three-dimensional images of the surroundings by means of an optical 3-D system.

(Figure 1)